User's Guide

EXTECH INSTRUMENTS

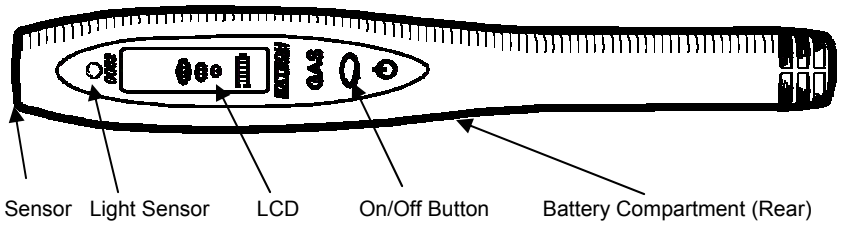
Gas Leak Detector

Model CO52

Introduction

Congratulations on your purchase of the Extech C052 Gas Leak Detector. The CO52 detects the presence of gas and displays concentrations between 0 and 10000 parts per million (ppm). Careful use of this meter will provide years of reliable service.

Description



Specifications

Measurement range	0-10000 ppm
Response Time	Less than 5 seconds
Power supply	2 x AA 1.5V
Battery life	Approx. 50 hours with alkaline battery with no backlight
	Approx. 30 hours with backlight operation
Operating Temperature	32 to 122°F (0 to 50°C)
Storage Temperature	-22 to 140°F (-30 to 60°C)
Operating Humidity	5 to 95% RH (non condensing)
Dimensions	1.5 x 10 x 1.1” (38 x 254 x 28mm)
Weight	3.5oz (100g)

Operation

Leak Detection

1. Press the ON key to power the detector
2. Hold the CO52 steady in clean ambient air during its 30 second warm up which is indicated by the flashing PPM symbol. When completed the PPM symbol will stop flashing and a steady ticking noise will indicate that the CO52 is ready for use.
3. Trace the CO52 around the source of the suspected leak. When leaking gas is detected the tone will increase in pitch with increasing gas concentration.

Digital display

The digital display indicates increasing gas concentration by a three range display.

10 000	Greater than 10000 ppm
1000	Greater than 1000 ppm but less than 10000 ppm
100	Greater than 100 ppm but less than 1000 ppm
On	Less than 100 ppm

Automatic Back Light

The CO52 will automatically reset itself to zero on activation. If necessary the CO52 will enter into an automatic cycle to reset its zero. In this instance the unit will alarm at peak level and decrease to zero. This process takes about 20 seconds.

Automatic Back Light

The CO52 has an automatic back light for the display, which switches on automatically in low light conditions.

Batteries

2 AA size batteries are used. The battery compartment is located at the rear of the CO52. Fit the batteries in accordance with the diagram found within the molding. Remaining battery life is indicated by the symbol in the digital display. If the batteries are fresh, 5 segments will be displayed.

Switch Off.

Switch the CO52 off by pressing the single on/off key. Store the CO52 in a warm dry place.

Warning! Storing in a damp environment will damage the sensor!

Warranty

EXTECH INSTRUMENTS CORPORATION warrants this instrument to be free of defects in parts and workmanship for one year from date of shipment (a six month limited warranty applies on sensors and cables). If it should become necessary to return the instrument for service during or beyond the warranty period, contact the Customer Service Department at (781) 890-7440 ext. 210 for authorization or visit our website at www.extech.com (click on 'Contact Extech' and go to 'Service Department' to request an RA number). A Return Authorization (RA) number must be issued before any product is returned to Extech. The sender is responsible for shipping charges, freight, insurance and proper packaging to prevent damage in transit. This warranty does not apply to defects resulting from action of the user such as misuse, improper wiring, operation outside of specification, improper maintenance or repair, or unauthorized modification. Extech specifically disclaims any implied warranties or merchantability or fitness for a specific purpose and will not be liable for any direct, indirect, incidental or consequential damages. Extech's total liability is limited to repair or replacement of the product. The warranty set forth above is inclusive and no other warranty, whether written or oral, is expressed or implied.

Calibration and Repair Services

Extech offers repair and calibration services for the products we sell. Extech also provides NIST certification for most products. Call the Customer Service Department for information on calibration services available for this product. Extech recommends that annual calibrations be performed to verify meter performance and accuracy.

Support Hotline (781) 890-7440Tech support: Ext. 200; Email: support@extech.com
Repair/Returns: Ext. 210; Email: repair@extech.com Website: www.extech.com

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